	Application No.	Applicant(s)	
Notice of Allowability	10/001,518	JOHNSON, STEPH	FN B
	Examiner	Art Unit	
	Fritz M Fleming	2182	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	ears on the cover sheet wi (OR REMAINS) CLOSED in or other appropriate commit IGHTS. This application is	n this application. If not include unication will be mailed in due	ed course. THIS
1. This communication is responsive to <u>11/15/2004</u> .			
2. ☑ The allowed claim(s) is/are <u>1 and 4-27</u> .			
3. The drawings filed on 30 October 2001 are accepted by the	e Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	e been received.		
2. Certified copies of the priority documents have	• •		tion from the
3. Copies of the certified copies of the priority do	cuments have been receive	d in this national stage applica	uon irom ine
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.		
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review	w (PTO-948) attached	•
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of In	formal Patent Application (PT	O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413),	
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date		/Mail Date Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allo	owance
of Biological Material	9. ☐ Other	 FRITZ FLEMING PRIMARY EVAMINE GROUP 2100	ER .

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Allowable Subject Matter

1. Claims 1,4-27 are allowed.

2. The following is an examiner's statement of reasons for allowance: The examiner has reviewed the art of record, the amended claims, the originally filed disclosure, and performed an update search in determining the claim allowability. Each of the independent claims (i.e. 1,4,16 and 27) has been amended to include a limitation setting a limit to the input/output requests. In detail, claim 1 sets a limit to the number of input/output requests to be processed in a given time period, claim 4 sets an input output request limit and determines if this limit has been reached, claim 16 sets an input output request limit and determines if this limit has been reached, as does claim 27. The examiner has relied upon the Steeby and Ang and Mittal references to provide pertinent teachings in rejecting the claims. The examiner has relied upon the interpretation that Steeby's decrease in frequency would effectively limit the amount of requests processed in a given time period, which the examiner still sees as valid. However, while Steeby "limits" the number requests that can be processed in a given period of time, Steeby does not "set a limit". For example, per Figures 4A and B, the clock speed is decreased as the temperature is increased, thereby reducing the number of requests that can be processed. However, there is never an actual limit set, as the region of 84 could go on for an unknown time, thereby never setting an actual limit to the number of requests processed. While the number of requests will be limited compared to the 100% clock speed, Steeby never actually sets a limit of requests based upon a temperature threshold. The same reasoning applies to Ang, as requests are

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limited by the switching to decreased throughput scenarios, but an actual limit is never set, as a decreased throughput scenario could go on for an unknown time, thereby never hitting a limit, as is clearly claimed. The same applies to Mittal, in which rates are throttled. Thus the patentable distinction is the actual setting of a "limit" which, per the disclosure, is clearly a number/value that is not to be exceeded, versus the art of record teaching a rate, which is not tied to an actual limit. This is what the applicants have argued, and the examiner agrees and has been persuaded. The amended material is supported by Figure 3, noting that a "storage controller" does not seem to be referred to per se (and not pointed out by applicants). However, the controller 110 is disclosed as being a server and a data transfer device, each of which have an understood function in the art to serve as storage controllers. Hence, no new matter is present.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The terminal disclaimer filed on 9/30/2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of any patent granted on application 09/969,377 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fritz M Fleming whose telephone number is 571-272-4145. The examiner can normally be reached on M-F, 0600-1500.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

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